

ABSTRACT OF THE DISCLOSURE

The invention relates to a method and a device which allow to cultivate cells in a sterile way over long time periods and at high densities and to obtain the maximum product volumes for time units from the cell cultures. Here the cultivation chamber and the supply container are semipermeably separated from each other, wherein the cultivation chamber comprises several fixed chambers and wherein the supply chamber is connected to a device for generating of a variably adjustable gas/cell cultivation medium mixture.